

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) An electro-luminescence display device, comprising:
 - gate lines;
 - data lines crossing the gate lines;
 - pixel cells at crossings of the gate lines and the data lines;
 - a gate driver that sequentially applies a gate signal to the gate lines during one horizontal period;
 - a gamma driver that generates a plurality of gamma voltage signals corresponding to image data and a plurality of gamma current signals corresponding to the image data; and
 - a plurality of data driving circuits that apply the plurality of gamma voltage signals to the pixel cells along ~~a the data line~~ the data lines during a first time ~~of~~ within the horizontal period and applying current signals corresponding the plurality of gamma current signals to the pixel cells along the data ~~line~~ lines during a second time within the horizontal period after the first time of the horizontal period,
- wherein each of the plurality of data driving circuits includes a voltage driver ~~that applies the plurality of gamma voltage signals to the data lines to pre-charge the plurality of gamma voltage signals onto storage capacitors in the pixel cells in respond to a first level of a control signal during the first time,~~ and a current driver ~~that allows the plurality of gamma current signals to flow into the pixel cells in respond to a second level of the control signal during the second time,~~
 - wherein the voltage driver includes:
 - a voltage driving block configured to apply the gamma voltage signal, and
 - a first switch connected between the voltage driving block and a corresponding data line and turned on by the first level of a control signal during the first time of the horizontal period to pre-charge the gamma voltage signal onto storage capacitors in the pixel cells via the corresponding data line, and
 - wherein the current driver includes:
 - a current driving block configured to apply a gamma current signal, and
 - a second switch connected between the current driving block and the corresponding data line, and turned on by the second level of the control signal during the second time of the horizontal period to apply the gamma current signal to the storage capacitors in the pixel cells via the corresponding data line.

2. (Original) The electro-luminescence display device according to claim 1, wherein the first time is shorter than the second time.

3-6. (Cancelled)

7. (Currently Amended) The electro-luminescence display device according to claim [[6]] 1, wherein the control signal remains at a first level during the first time and remaining at second level during the second time.

8-12. (Cancelled)

13. (Currently Amended) A method of driving an electro-luminescence display device, comprising:

applying a gate signal from a gate driver during each horizontal period to select pixel cells along specific horizontal line;

generating a plurality of gamma voltage signals corresponding to image data and a plurality of gamma current signals corresponding to the image data;

applying [[a]] the plurality of gamma voltage value corresponding to image data from a voltage driver signals to data lines via first switches which are turned on by a first level of a control signal during a first time ~~of~~ within the horizontal period to pre-charge the plurality of gamma voltage ~~value~~ signals onto storage capacitors of the pixel cells ~~in respond to a first level of a control signal during the first time;~~ and

applying [[a]] the plurality of gamma current signals corresponding to the image data to the data lines via second switches which is turned on by a first level of the control signal during a second time within the horizontal period after the first time ~~in respond to a second level of a control signal during the second time.~~

14. (Cancelled)

15. (Original) The method according to claim 13, wherein the first time is less than the second time.

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16-22. (Cancelled)